

Section II
Soil and Site Information

Grant County, South Dakota
Sanitary Facilities Table 2

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Aastad-----	60	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.02
Flom-----	30	Very limited Depth to saturated zone Too clayey Flooding	1.00 0.50 0.40	Very limited Depth to saturated zone Flooding	1.00 0.40	Very limited Depth to saturated zone Too clayey	1.00 0.50
AbA: Arvilla-----	90	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Too Sandy Seepage Gravel content	1.00 1.00 0.05
AbB: Arvilla-----	90	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Too Sandy Seepage Gravel content	1.00 1.00 0.05
AbC: Arvilla-----	90	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Too Sandy Seepage Gravel content	1.00 1.00 0.05
BaE: Barnes-----	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Buse-----	30	Very limited Slope Too clayey Content of large stones	1.00 0.50 0.30	Very limited Slope	1.00	Very limited Slope Too clayey Content of large stones	1.00 0.50 0.30
BbB: Barnes-----	65	Not limited		Not limited		Not limited	
Svea-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
BbC: Barnes-----	55	Not limited		Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Svea-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
BbD: Barnes-----	45	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Svea-----	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
Bc: Cubden-----	90	Very limited Depth to saturated zone Too clayey	1.00 0.50	Very limited Depth to saturated zone	1.00	Somewhat limited Too clayey Depth to saturated zone	0.50 0.44
Bd: Brookings-----	90	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
BeF: Buse-----	60	Very limited Slope Too clayey	1.00 0.50	Very limited Slope	1.00	Very limited Slope Too clayey	1.00 0.50
Forman-----	25	Very limited Slope Too clayey	1.00 0.50	Very limited Slope	1.00	Very limited Slope Too clayey	1.00 0.50
BfD: Buse-----	45	Somewhat limited Slope Too clayey	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope Too clayey	0.63 0.50
Aastad-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.02
Forman-----	25	Somewhat limited Slope Too clayey	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope Too clayey	0.63 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Da: Divide-----	85	Very limited Flooding Depth to saturated zone Seepage Too Sandy	1.00 1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Seepage	1.00 1.00 1.00	Very limited Too Sandy Seepage Depth to saturated zone Gravel content	1.00 1.00 0.44 0.05
Db: Castlewood-----	85	Very limited Flooding Depth to saturated zone Too clayey	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Too clayey Depth to saturated zone	1.00 1.00
EaA: Egeland-----	90	Very limited Too Sandy Seepage	1.00 1.00	Very limited Seepage	1.00	Somewhat limited Seepage Too Sandy	0.50 0.50
EaB: Egeland-----	85	Very limited Too Sandy Seepage	1.00 1.00	Very limited Seepage	1.00	Somewhat limited Seepage Too Sandy	0.50 0.50
Ec: Estelline-----	90	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Seepage	1.00
Fa: Flom-----	90	Very limited Depth to saturated zone Too clayey Flooding	1.00 0.50 0.40	Very limited Depth to saturated zone Flooding	1.00 0.40	Very limited Depth to saturated zone Too clayey	1.00 0.50
FbA: Fordville-----	90	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Seepage Too Sandy Gravel content	1.00 0.50 0.01
FcB: Fordville-----	60	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Seepage Too Sandy Gravel content	1.00 0.50 0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Renshaw-----	30	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Seepage Too Sandy Gravel content	1.00 0.50 0.15
FdA: Forman-----	70	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Aastad-----	20	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.02
FdB: Forman-----	60	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Aastad-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.02
FdC: Forman-----	55	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Aastad-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.02
FdD: Forman-----	50	Somewhat limited Slope Too clayey	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope Too clayey	0.63 0.50
Aastad-----	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.02
FeC: Forman-----	65	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Aastad-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FgC: Forman-----	50	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Buse-----	25	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
FgE: Forman-----	45	Very limited Slope Too clayey	1.00 0.50	Very limited Slope	1.00	Very limited Slope Too clayey	1.00 0.50
Buse-----	30	Very limited Slope Too clayey	1.00 0.50	Very limited Slope	1.00	Very limited Slope Too clayey	1.00 0.50
FhE: Forman-----	40	Very limited Slope Too clayey	1.00 0.50	Very limited Slope	1.00	Very limited Slope Too clayey	1.00 0.50
Buse-----	35	Very limited Slope Too clayey Content of large stones	1.00 0.50 0.30	Very limited Slope	1.00	Very limited Slope Too clayey Content of large stones	1.00 0.50 0.30
HaD: Hattie-----	85	Very limited Too clayey Slope	1.00 0.63	Somewhat limited Slope	0.63	Very limited Too clayey Slope	1.00 0.63
HaE: Hattie-----	85	Very limited Slope Too clayey	1.00 1.00	Very limited Slope	1.00	Very limited Slope Too clayey	1.00 1.00
HbB: Sisseton-----	28	Not limited		Not limited		Not limited	
Heimdal-----	52	Not limited		Not limited		Not limited	
HbC: Heimdal-----	45	Not limited		Not limited		Not limited	
Sisseton-----	40	Not limited		Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HcA: Heimdal-----	70	Not limited		Not limited		Not limited	
Svea-----	20	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
HcB: Heimdal-----	60	Not limited		Not limited		Not limited	
Svea-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
La: Ladelle-----	90	Very limited Flooding Depth to saturated zone Too clayey	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone	1.00 1.00	Somewhat limited Too clayey	0.50
Lb: Ladelle-----	85	Very limited Flooding Depth to saturated zone Too clayey	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone	1.00 1.00	Somewhat limited Too clayey	0.50
Lc: Ludden-----	90	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	1.00
		Too clayey	1.00	Ponding	1.00	Ponding	1.00
		Ponding	1.00				
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
MaE: Maddock-----	85	Very limited Seepage Too Sandy Slope	1.00 1.00 1.00	Very limited Seepage Slope	1.00 1.00	Very limited Seepage Slope Too Sandy	1.00 1.00 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mb: Marysland-----	90	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		
		Seepage	1.00	Seepage	1.00		
Oa: Overly-----	90	Very limited Depth to saturated zone Too clayey	1.00 0.50	Very limited Depth to saturated zone	1.00	Somewhat limited Too clayey	0.50
Pa: Parnell-----	90	Very limited Depth to saturated zone Ponding	1.00 1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Too clayey	1.00	Depth to saturated zone	1.00	Depth to saturated zone Too clayey	1.00
Pb: Southam-----	90	Very limited Depth to saturated zone Ponding	1.00 1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Too clayey	1.00	Depth to saturated zone	1.00	Depth to saturated zone Too clayey	1.00
PcA: Peever-----	85	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
PcB: Peever-----	65	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
PcC: Peever-----	85	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Pd: Peever-----	60	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cavour-----	30	Very limited Depth to saturated zone Sodium content Too clayey	1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Sodium content Too clayey	1.00 0.50
Pe: Peever-----	62	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Tonka-----	28	Very limited Depth to saturated zone Ponding Too clayey	1.00 1.00 0.50	Very limited Depth to saturated zone Ponding	1.00 1.00	Very limited Depth to saturated zone Ponding Too clayey	1.00 1.00 0.50
Pf: Orthents, Gravelly--	100	Very limited Seepage Too Sandy Slope	1.00 1.00 1.00	Very limited Seepage Slope	1.00 1.00	Very limited Too Sandy Seepage Slope Gravel content	1.00 1.00 1.00 0.63
Ph: Playmoor-----	85	Very limited Flooding Depth to saturated zone Too Sandy	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Too Sandy	1.00 0.50
Po: Poinsett-----	90	Not limited		Not limited		Not limited	
Ra: Rauville-----	80	Very limited Flooding Depth to saturated zone Seepage Too clayey	1.00 1.00 1.00 0.50	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Too clayey	1.00 0.50
RbA: Renshaw-----	90	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Seepage Too Sandy Gravel content	1.00 0.50 0.15

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
RbB: Renshaw-----	85	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Seepage Too Sandy Gravel content	1.00 0.50 0.15
RcD: Renshaw-----	55	Very limited Seepage Too Sandy Slope	1.00 1.00 0.37	Very limited Seepage Slope	1.00 0.37	Very limited Seepage Too Sandy Slope Gravel content	1.00 0.50 0.37 0.15
Sioux-----	35	Very limited Seepage Too Sandy Slope	1.00 1.00 0.37	Very limited Seepage Slope	1.00 0.37	Very limited Seepage Gravel content Too Sandy Slope	1.00 1.00 0.50 0.37
RdE: Renshaw-----	50	Very limited Seepage Too Sandy Slope	1.00 1.00 1.00	Very limited Seepage Slope	1.00 1.00	Very limited Seepage Slope Too Sandy Gravel content	1.00 1.00 0.50 0.15
Sioux-----	40	Very limited Seepage Too Sandy Slope	1.00 1.00 1.00	Very limited Seepage Slope	1.00 1.00	Very limited Too Sandy Seepage Gravel content Slope	1.00 1.00 1.00 1.00
ReA: Rentill-----	90	Somewhat limited Too clayey	0.50	Very limited Seepage	1.00	Somewhat limited Too clayey	0.50
SaE: Sioux-----	65	Very limited Slope Seepage Too Sandy	1.00 1.00 1.00	Very limited Slope Seepage	1.00 1.00	Very limited Slope Seepage Gravel content Too Sandy	1.00 1.00 1.00 0.50
Renshaw-----	25	Very limited Slope Seepage Too Sandy	1.00 1.00 1.00	Very limited Slope Seepage	1.00 1.00	Very limited Slope Seepage Too Sandy Gravel content	1.00 1.00 0.50 0.15

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SbE: Sisseton-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
ScD: Sisseton-----	45	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Heimdal-----	30	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Sd: Svea-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
SeA: Swenoda-----	85	Somewhat limited Depth to saturated zone	0.24	Very limited Seepage	1.00	Somewhat limited Depth to saturated zone	0.02
Ta: Tonka-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Too clayey	0.50			Too clayey	0.50
Va: Vallars-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Too clayey	0.50	Flooding	0.40	Too clayey	0.50
		Flooding	0.40				
Vb: Vallars-----	55	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Too clayey	0.50	Flooding	0.40	Too clayey	0.50
		Flooding	0.40				
Parnell-----	35	Very limited Depth to saturated zone	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Ponding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too clayey	1.00			Too clayey	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Vc: Vallars-----	55	Very limited Depth to saturated zone Too clayey Flooding	1.00 0.50 0.40	Very limited Depth to saturated zone Flooding	1.00 0.40	Very limited Depth to saturated zone Too clayey	1.00 0.50
Tonka-----	35	Very limited Depth to saturated zone Ponding Too clayey	1.00 1.00 0.50	Very limited Depth to saturated zone Ponding	1.00 1.00	Very limited Depth to saturated zone Ponding Too clayey	1.00 1.00 0.50
VdD: Vienna-----	50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Buse-----	30	Somewhat limited Slope Too clayey	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope Too clayey	0.63 0.50
VeA: Vienna-----	65	Not limited		Not limited		Not limited	
Lismore-----	25	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
VeB: Vienna-----	58	Not limited		Not limited		Not limited	
Lismore-----	32	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
VeC: Vienna-----	60	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Too clayey	0.50
Lismore-----	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Not limited	
W: Water-----	100	Not rated		Not rated		Not rated	

